

What is claimed is:

1 1. A bond pad for a flip chip package, suitable
2 for an integrated circuit chip, comprising:

3 at least one slot extending along a direction which
4 is perpendicular to a radial direction from the
5 center of the integrated circuit chip.

1 2. The bond pad as claimed in claim 1, wherein the
2 bond pad is located substantially at corners of the
3 integrated circuit chip.

1 3. The bond pad as claimed in claim 1, wherein the
2 patterns are arranged substantially in an array.

1 4. The bond pad as claimed in claim 1, wherein the
2 bond pad is circular or rectangular.

1 5. The bond pad as claimed in claim 1, wherein the
2 slot is rectangular.

1 6. The bond pad as claimed in claim 1, wherein the
2 slot extends at least partially through the bond pad.

1 7. The bond pad as claimed in claim 1, wherein the
2 slot extends down to the bottom of the bond pad.

1 8. A bond pad for a flip chip package, suitable
2 for an integrated circuit chip, comprising:

3 a plurality of parallel slots located in the bond
4 pad, each of the slots extending along a
5 direction which is perpendicular to a radial
6 direction from the center of the integrated

7 circuit chip, wherein the bond pad deposited at
8 the corner of the integrated circuit chip.

1 9. The bond pad as claimed in claim 8, wherein the
2 bond pad is circular or rectangular.

1 10. The bond pad as claimed in claim 8, wherein the
2 slot is rectangular.

1 11. The bond pad as claimed in claim 8, wherein the
2 slot extends at least partially through the bond pad.

1 12. The bond pad as claimed in claim 8, wherein the
2 slot extends down to the bottom of the bond pad.

1 13. A bond pad structure for a flip chip package,
2 suitable for an integrated circuit chip, the integrated
3 circuit chip having a rectangular shape, comprising:

4 a plurality of bond pads located in each of the
5 quadrants of the integrated circuit chip,
6 wherein each of the bond pads comprises at
7 least one slot and each of the slots in the
8 same quadrant extending along a direction which
9 is substantially perpendicular to the diagonal
10 lines of the integrated circuit chip passing
11 through the quadrant in which it is located.

1 14. The bond pad as claimed in claim 13, wherein
2 the patterns are arranged substantially in an array.

1 15. The bond pad as claimed in claim 13, wherein
2 the slot is rectangular.

1 16. The bond pad as claimed in claim 13, wherein
2 the slot extends at least partially through the bond pad.

1 17. The bond pad as claimed in claim 13, wherein
2 the slot extends down to the bottom of the bond pad.

1 18. The bond pad as claimed in claim 13, wherein
2 the bond pad is circular or rectangular.

1 19. A semiconductor device, comprising:

2 a substrate;

3 a conductive layer, disposed on the substrate; and

4 at least one bond pad, disposed on the conductive
5 layer, wherein the bond pad comprises at least
6 one slot extending along a direction which is
7 perpendicular to a radial direction from the
8 center of the surface of the substrate.

1 20. The bond pad as claimed in claim 19, wherein
2 the number of the bond pad located in the quadrants of
3 the integrated circuit chip is more than one, and each of
4 the slots in the same quadrant extending along a
5 direction which is substantially perpendicular to the
6 diagonal lines of the integrated circuit chip passing
7 through the quadrant in which it is located.

1 21. The bond pad as claimed in claim 19, wherein
2 the slot is rectangular.

1 22. The bond pad as claimed in claim 19, wherein
2 the slot extends at least partially through the bond pad.

1 23. The bond pad as claimed in claim 19, wherein
2 the slot extends down to the bottom of the bond pad.